

Application of modified Reissner theory to sandwich plates

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Abstract

In this thesis, two approximate techniques, namely (1) the high order formulation, and (ii) the reduced fourth order formulation (both introduced by [5] and [6] are applied to the solution of sandwich plates.

Modified Navier and Levy type approach methods have been used for the solution of the deflection function. A number of problems of isotropic sandwich plate with various boundary conditions are solved and the results are compared to existing solutions from other techniques.